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P64LEDLITE

Red – 60, Green – 60, Blue – 63

User's instruction manual

This manual contains important information about the safe installation and use of this product
Please read this instruction manual carefully before installing or operating
Please keep these instructions in a safe place for future reference

N31156 CE

Congratulations on the purchase of your P64LEDlite by Light Emotion. We are confident that you will be satisfied with your purchase. We have prepared this manual to assist you with the care and operation of this item.

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Please note that as part of out ongoing commitment to continuous improvement and product development, the specifications in this manual are subject to change without notice. Whilst every care has been taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement.

WHAT IS INCLUDED:

CAUTION: Do not use sharp objects whilst unpacking this product

- 1x P64LEDlite lighting effect
- 1x Manual & Warranty card

Please note: Some of the items above may be fitted to the product by the manufacturer.

SAFETY INSTRUCTIONS:

Please read these instructions carefully. It includes important information about the installation usage and maintenance of this product.

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surface. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse source.
- Secure fixture to fastening device using a safety chain.
- Maximum ambient temperature is 40˚C. Do not operate fixture at temperatures higher than this.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- Never connect the device to dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.

POWER

CAUTION: This lighting effect is designed to operate at 240V.
Power Consumption: 30W

FUSE

Fig.1

CAUTION:
Only use the correct fuse as specified on the rear panel of the lighting effect.
Disconnect the lighting effect from the mains before attempting to replace the fuse.

To replace the fuse please follow the following steps:
1. Remove the fuse by unscrewing the cap out with a screwdriver. (Refer to Fig 1)
2. Remove existing fuse.
3. Fit new fuse.
4. Refit the fuse holder.

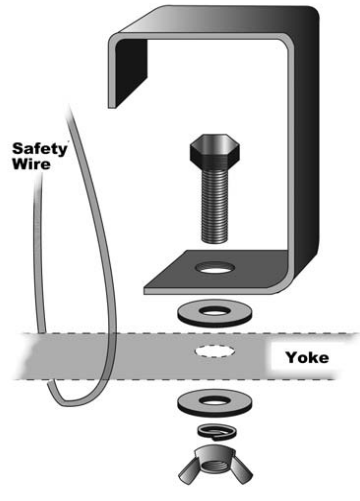
Fuse: M205 0.5A fast

FEATURES

Static colours
Colour changing
RBG colour mixing
Audio Activated with sensitivity control
Master/Slave linkable
DMX-512 controllable with 4 channels

INSTALLATION

Fig.2



CAUTION: For safe mounting read the following instructions carefully.

- Use suitable hook clamps* for hanging the lighting effect.
- Use a safety wire* with a breaking strain of more than double the lighting effect.
- Do not look directly into the light source.
- Make sure the lighting effect has suitable ventilation as per the instructions below.
- This lighting effect is intended for indoor use only.
- To avoid electrical shock keep away from rain and moisture.
- Keep unit out of reach from children.

NOTE:
Use washers* and spring washers* when attaching your hook clamp* to the yoke.
1. For installation of the hook clamps* and safety wire* please refer to Fig 2.
2. This lighting effect must be 0.5m away from any flammable materials or any walls or ceilings.
3. Do not block or inhibit the air flow from the ventilation holes.

Light Emotion have various hook clamps* and safety wires* suitable for your P64LEDlite Please contact your local dealer for more information *Not included.

MAINTENANCE & PERIODIC CHECKS

CAUTION:
Some maintenance and checks may require the product to be opened and should only be done by qualified persons. Warranty may be void if damage has been caused by improper maintenance.

Perspex lenses should be wiped with a clean moist cloth to remove dust and residue.

CONNECTIONS AND CONTROLS

Fig.3

1. DIP Switches
2. Fuse Holder
3. DMX output socket
4. DMX input socket

DIP SWICTHES

The DIP switches allow the user to change the mode and operation of the lighting effect by setting the switches to different combinations.

Table 4

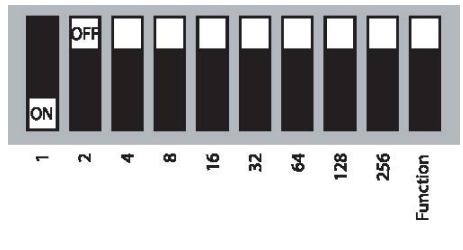
Mode	dip 1	dip 2	dip 3	dip 4	dip 5	dip 6	dip 7	dip 8	dip 9	dip 10	Function
Auto	0	0	0	0	0	0	1/0	1/0	0	0	Colour changing and colour fading. Select running speed via dip7 and dip 8
Run (Master projector)	R 1/0	G 1/0	B 1/0	F 1/0	F 1/0	F 1/0	0	0	0	0	Static colour and flash. Select static color via dip1 - dip3 (separately for R.G.B) select flash speed via dip 4– dip 6
Sound activated (Master projector)	X	X	X	X	X	X	X	X	1	0	Sound activation mode. Also the setting for master when using M/S operation. Dip 9 on only.
DMX	C	C	C	C	C	C	C	C	C	1	DMX mode. Dip 10 on, then 1-9 determine the DMX channel. CH1 R CH2 G CH3 B CH4 Dimmer and flash
Other	1	0	0	0	0	0	0	0	0	1	1. DMX address is l when in DMX mode 2. As Slave projector when in M/S mode
	0	0	0	0	0	0	0	0	0	1	Black out

DMX

To determine the starting address for the each lighting effect you should refer to your DMX controller user manual.

Calculating the starting address

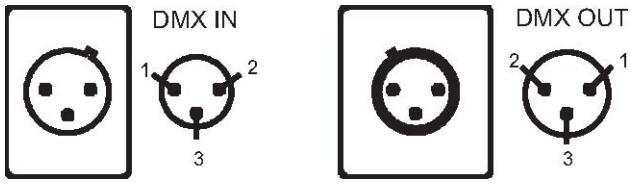
Fig.5



To calculate the starting address you add the value of all the switches which are ‘ON’ and that value is the address that is required. (Refer to Fig 5)

DMX LEAD

The DMX lead is used to link up multiple units. For Wiring connections refer to Fig 6.
Fig. 6

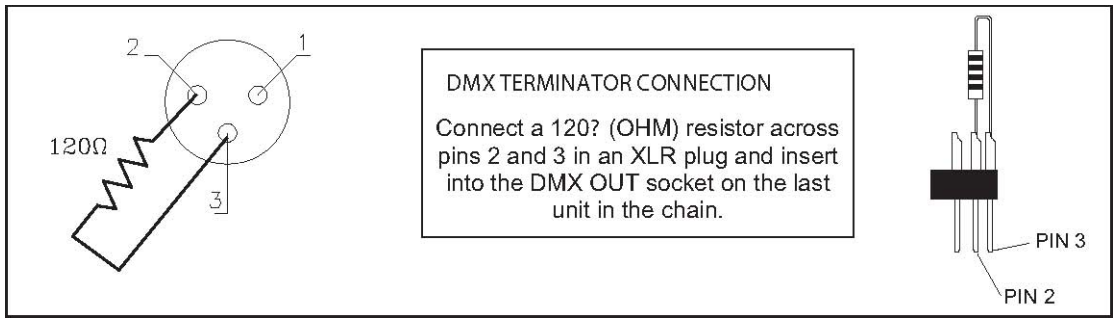


DMX512	
PIN	FUNCTION
1	GND
2	DATA
3	DATA +

DMX TERMINATOR

A DMX terminator helps to reduce 'noise' on the DMX chain, and makes the light respond to control more accurately. It should be plugged in to the last fixture in any chain. For Terminator connections refer to Fig 7

Fig.7


2
1
120Ω
3
DMX TERMINATOR CONNECTION
Connect a 120? (OHM) resistor across pins 2 and 3 in an XLR plug and insert into the DMX OUT socket on the last unit in the chain.
PIN 3
PIN 2

STAND-ALONE

NOTE:
There are multiple stand-alone programs available. Refer to the table 4 for more details.

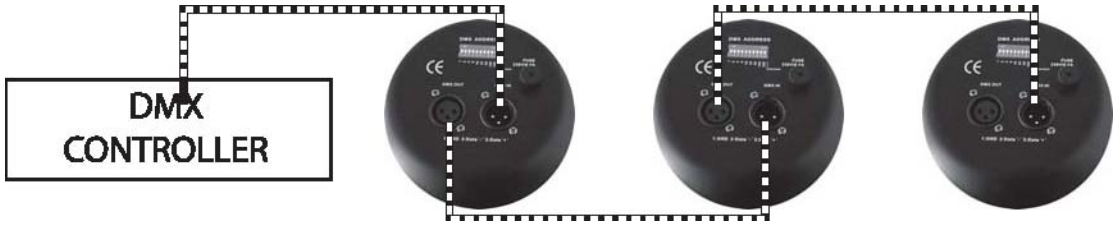
SETTINGS:
To setup the lighting effect in Stand-alone mode you need to set the DIP switch as per the table 4.

MASTER/SLAVE MODE

CONNECTIONS
To connect multiple P64LEDlites in Master/Slave mode you need to connect a 3 pin DMX lead (Refer to Fig 6) from the DMX output socket of the master to the DMX input socket of the slave, then from the DMX output socket of the 1st slave to the DMX input socket of 2nd slave and so on and so forth. (Refer to Fig 8)

SETTINGS
You then need to set the P64LEDlite to Master/Slave mode by setting the DIP switch as per the table 4.

Fig.8



DMX CHANNEL INFORMATION

The P64LEDlite uses 4 DMX channels as per table 9.

Table 9

Channel	Value	Effect
1 Red	000 - 255	Red
2 Green	000 -255	Green
3 Blue	000 – 255	Blue
	000 – 189	Dimmer
4 Effect	190-250	Flash
	251 –255	No function

DMX MODE

NOTE:
To determine the address required you should refer to your DMX controller's manual
Do not forget to use a DMX terminator
Do not forget to turn off the 'Blackout' on your controller

CONNECTION
To connect the P64LEDlite in DMX mode you need to use a 3 pin DMX lead (Refer to Fig 6) from the DMX output socket of the controller to the DMX input socket of the 1st unit, then from the DMX output socket of the 1st unit to the DMX input socket of 2nd unit and so on and so forth.

SETTINGS
You then need to set each P64LEDlite to the addresses required by setting the DIP switches as per the table in the DIP switch section.

FREQUENT ANSWERED QUESTIONS

Symptom	**Fault**
Unit does not power up	Check that the power outlet is turned on and fuse is OK Check that the mode is set correctly and that you are controlling the unit correctly
Unit chases constantly and not to the beat of the music	Check that the microphone sensitivity is not turned up too high and that the mode is set correctly
Units do not work or is uncontrollable when linked or in DMX mode	Check that the mode is set correctly, check that all the leads are OK, check that the controller is set to pin 3 +ve) (If using DMX the lead should come out of the DMX output socket)

SPECIFICATIONS

- Voltage: 240V AC
- Power Consumption: 30W
- Operating Frequency: 50Hz
- Power lead: Fixed 1m
- Fuse: M205 0.5A fast blow
- Sound activated: Yes
- Stand alone mode Yes
- DMX: 4 channels
- Ch1: Red Ch2: Green, Ch3: Blue, Ch4: Effect
- Linkable: Yes
- Effects / Control: DIP switch controlled
- Colours: 1.6M colours
- Output power / level: 183 LEDs
- 60 Red, 60 Green, 63 Blue
- Input connection: DMX: Male 3 pin XLR
- Output connection: DMX: Female 3 pin XLR
- Colour: Black or sliver
- Weight: 2.3Kg
- Dimensions: L310mm x W250mm x D250mm